

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062724\
 Data File : VX042073.D
 Acq On : 27 Jun 2024 14:38
 Operator : JC/MD
 Sample : P3067-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 001-WILLETS-PT-BLVD(JUNE)

Quant Time: Jun 28 04:04:03 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X061424W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Jun 15 04:02:59 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

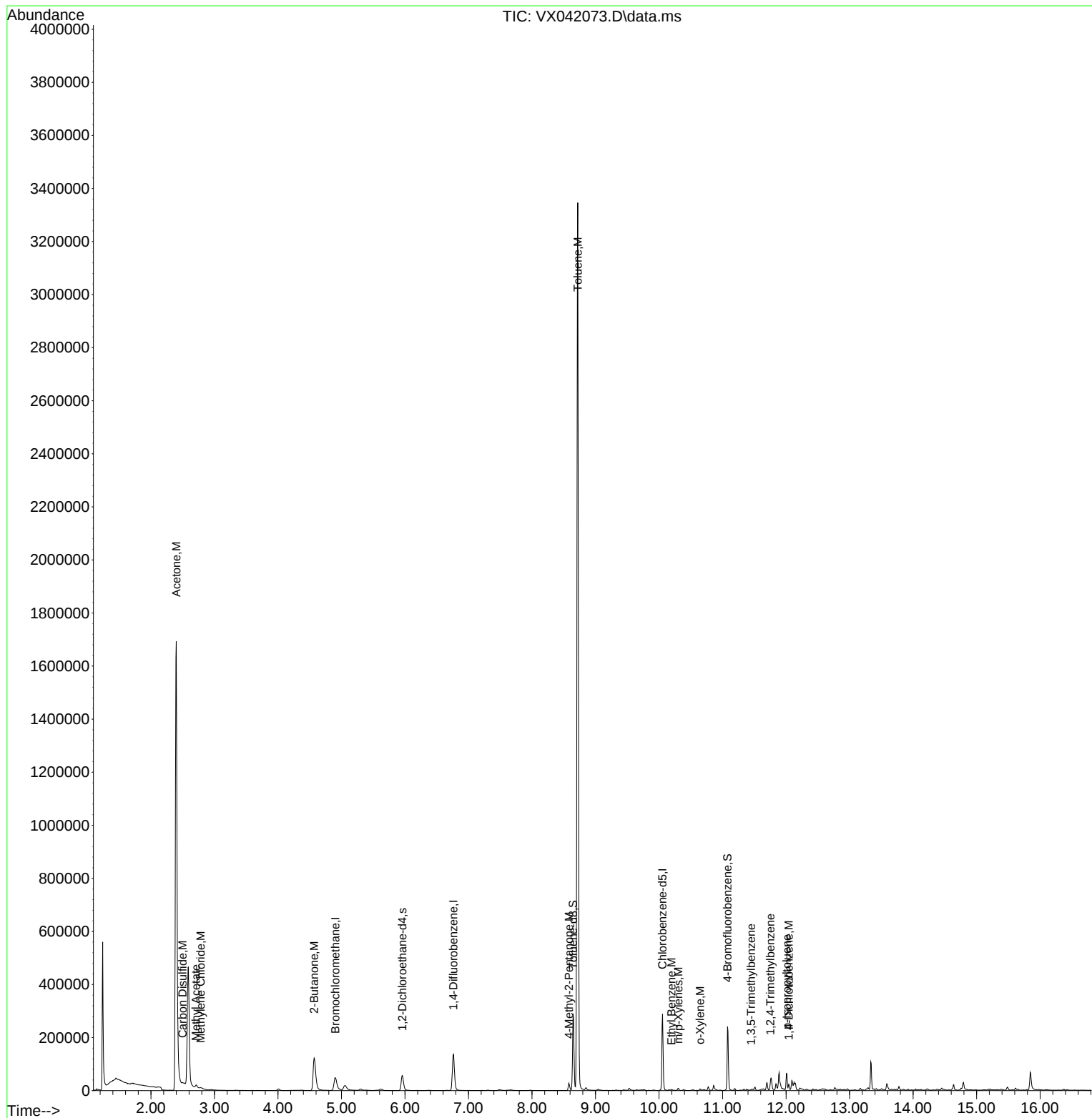
Internal Standards						
1) Bromochloromethane	4.904	128	28475	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	156247	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	142162	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	53928	27.512	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	91.700%
60) 4-Bromofluorobenzene	11.079	95	65499	29.765	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	99.200%
63) Toluene-d8	8.647	98	180644	29.700	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.000%
Target Compounds						
					Qvalue	
12) Methyl Acetate	2.709	43	14001	6.310	ug/l	98
15) Acetone	2.398	58	699079	2320.630	ug/l	90
16) Carbon Disulfide	2.495	76	1389	0.364	ug/l #	94
18) Methylene Chloride	2.782	84	1167	0.585	ug/l	93
30) 2-Butanone	4.568	43	230177	168.925	ug/l	98
58) 4-Methyl-2-Pentanone	8.580	43	16870	6.622	ug/l	99
62) Toluene	8.720	91	2250422	312.824	ug/l	99
66) Ethyl Benzene	10.195	91	2440	0.310	ug/l	98
67) m/p-Xylenes	10.305	106	2407	0.761	ug/l	92
68) o-Xylene	10.646	106	1135	0.360	ug/l	91
76) 1,3,5-Trimethylbenzene	11.451	105	1542	0.232	ug/l	94
80) 1,2,4-Trimethylbenzene	11.756	105	10719	1.615	ug/l	62
82) p-Isopropyltoluene	12.012	119	30225	4.193	ug/l	100
84) 1,4-Dichlorobenzene	12.043	146	1948	0.474	ug/l	96

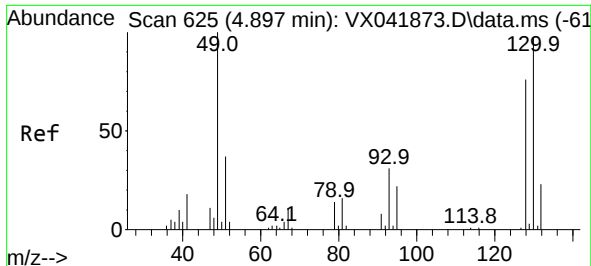
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062724\
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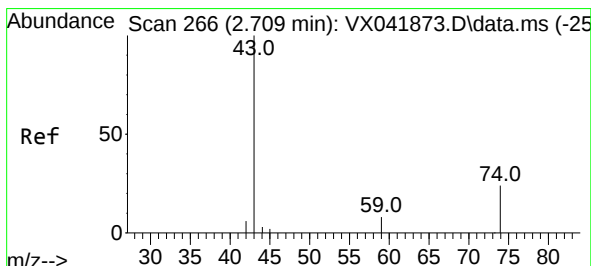
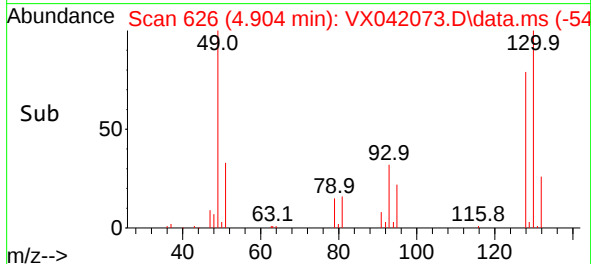
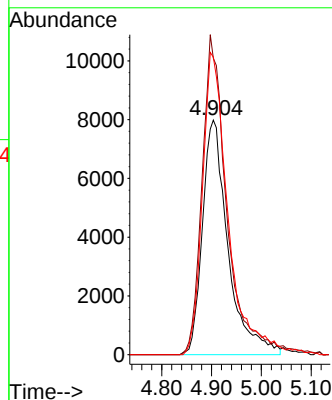
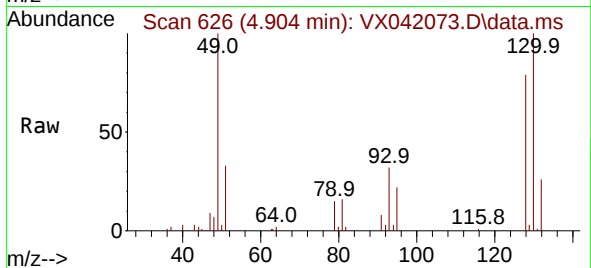




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.904 min Scan# 61
Delta R.T. 0.007 min
Lab File: VX042073.D
Acq: 27 Jun 2024 14:38

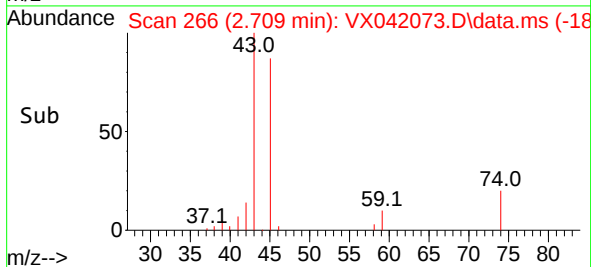
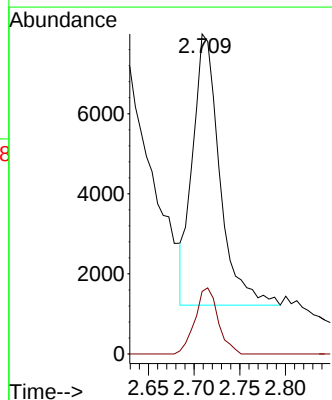
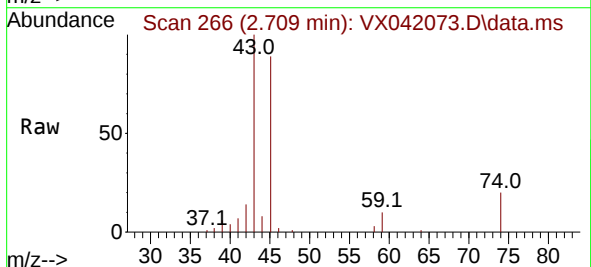
Instrument :
MSVOA_X
ClientSampleId :
001-WILLETS-PT-BLVD(JUNE)

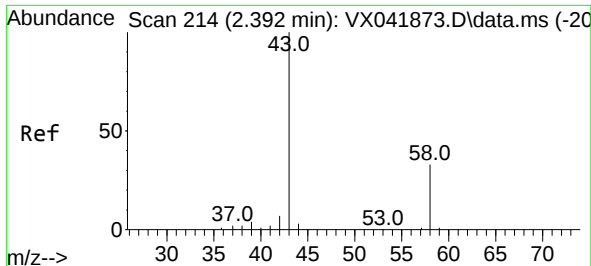
Tgt Ion:128 Resp: 28475
Ion Ratio Lower Upper
128 100
49 130.6 0.0 338.5
130 126.9 0.0 324.5



#12
Methyl Acetate
Concen: 6.310 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.000 min
Lab File: VX042073.D
Acq: 27 Jun 2024 14:38

Tgt Ion: 43 Resp: 14001
Ion Ratio Lower Upper
43 100
74 25.4 19.4 29.2





#15

Acetone

Concen: 2320.630 ug/l

RT: 2.398 min Scan# 214

Delta R.T. 0.006 min

Lab File: VX042073.D

Acq: 27 Jun 2024 14:38

Instrument :

MSVOA_X

ClientSampleId :

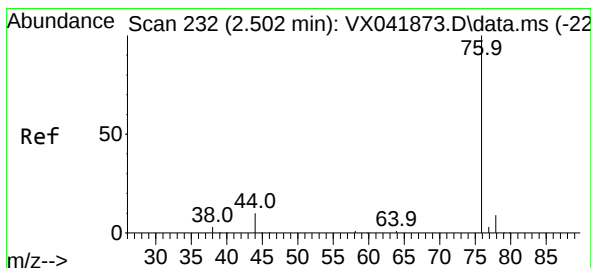
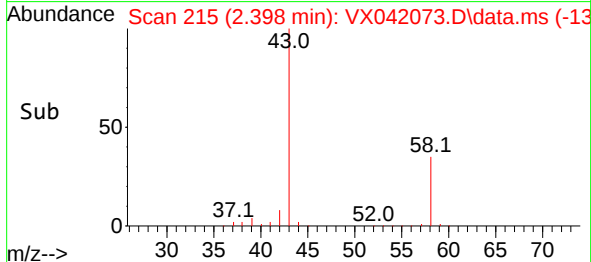
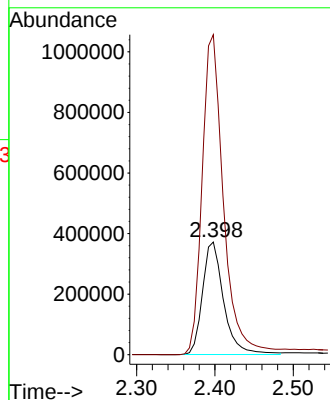
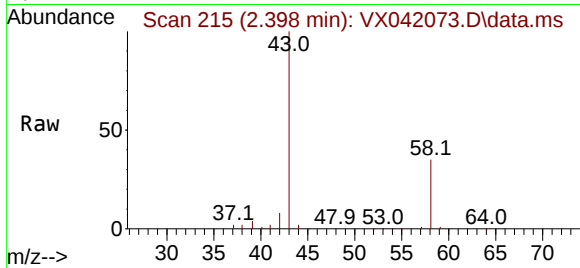
001-WILLETS-PT-BLVD(JUNE)

Tgt Ion: 58 Resp: 699079

Ion Ratio Lower Upper

58 100

43 284.2 243.4 365.2



#16

Carbon Disulfide

Concen: 0.364 ug/l

RT: 2.495 min Scan# 231

Delta R.T. -0.006 min

Lab File: VX042073.D

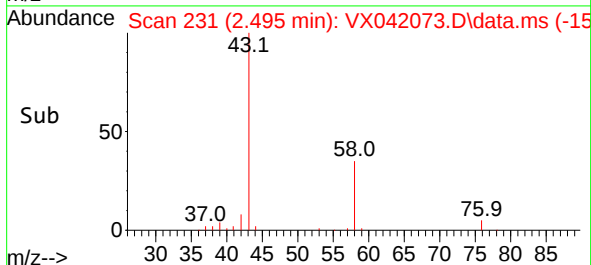
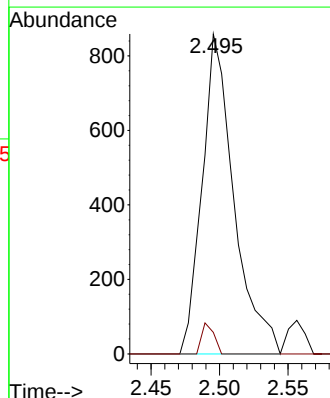
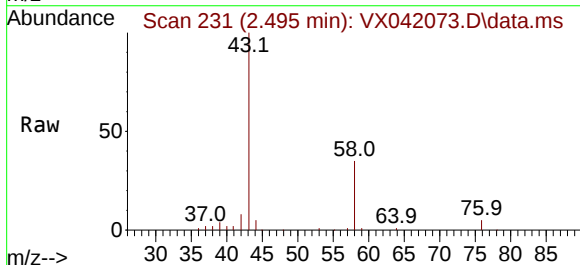
Acq: 27 Jun 2024 14:38

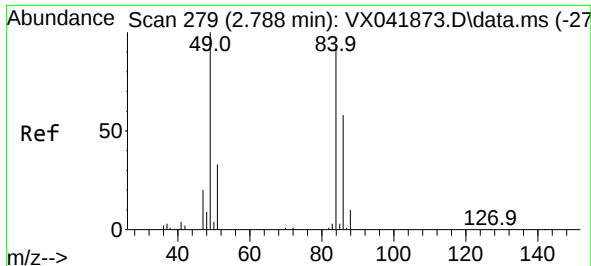
Tgt Ion: 76 Resp: 1389

Ion Ratio Lower Upper

76 100

78 6.8 7.3 10.9#

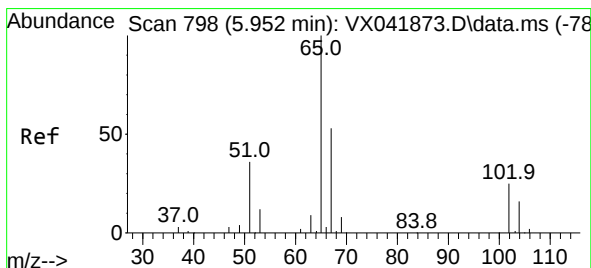
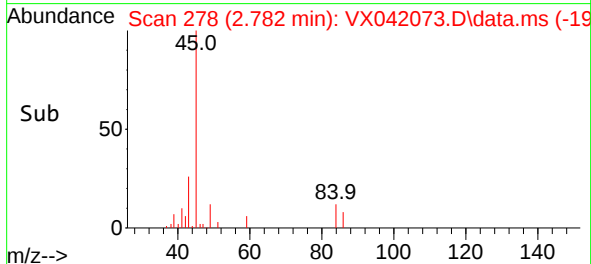
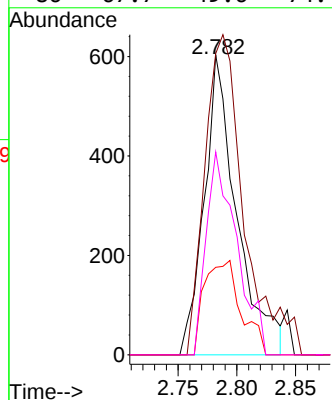
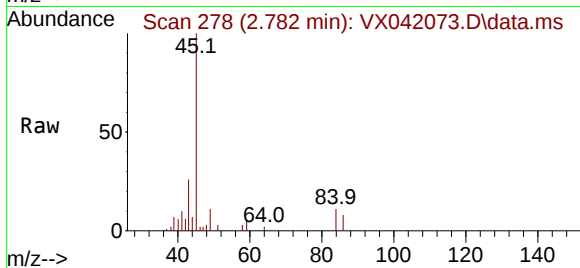




#18
Methylene Chloride
Concen: 0.585 ug/l
RT: 2.782 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX042073.D
Acq: 27 Jun 2024 14:38

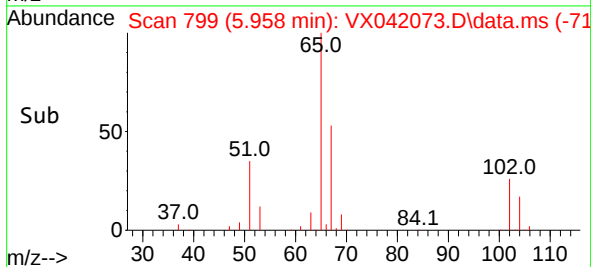
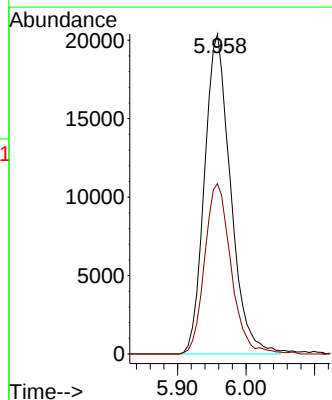
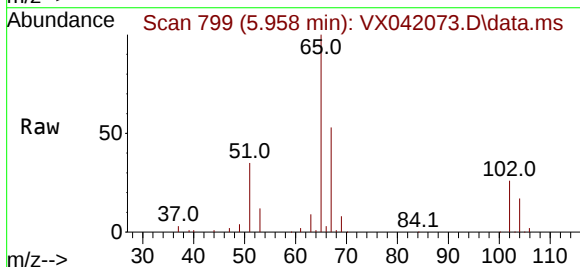
Instrument :
MSVOA_X
ClientSampleId :
001-WILLETS-PT-BLVD(JUNE)

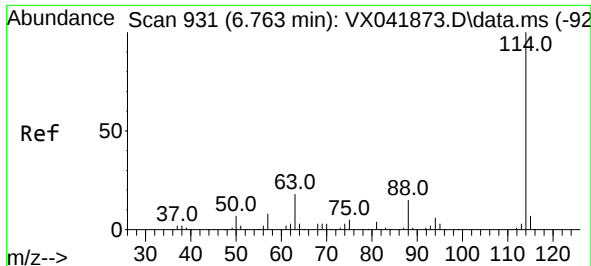
Tgt Ion: 84	Resp: 1167
Ion Ratio	Lower Upper
84 100	
49 100.5	85.3 127.9
51 29.2	28.5 42.7
86 67.7	49.6 74.4



#27
1,2-Dichloroethane-d4
Concen: 27.512 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.006 min
Lab File: VX042073.D
Acq: 27 Jun 2024 14:38

Tgt Ion: 65	Resp: 53928
Ion Ratio	Lower Upper
65 100	
67 52.8	43.4 65.0





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.763 min Scan# 91

Delta R.T. 0.000 min

Lab File: VX042073.D

Acq: 27 Jun 2024 14:38

Instrument :

MSVOA_X

ClientSampleId :

001-WILLETS-PT-BLVD(JUNE)

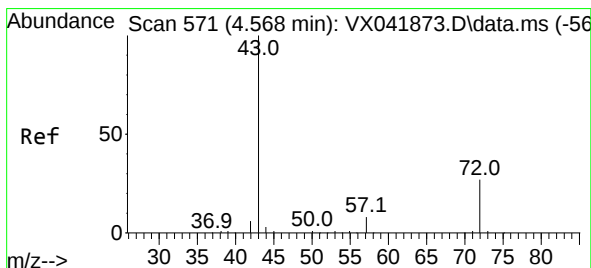
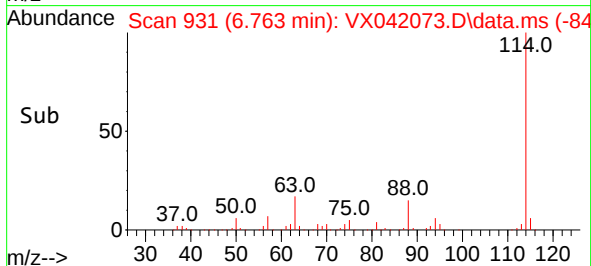
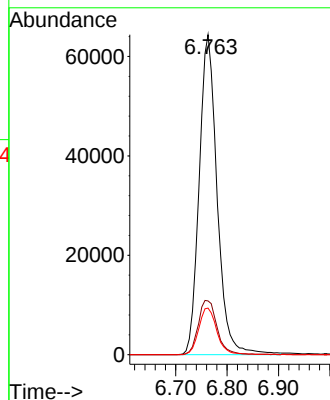
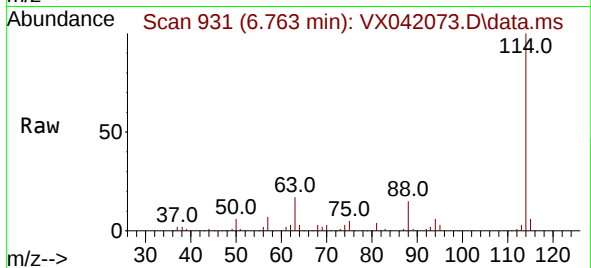
Tgt Ion:114 Resp: 156247

Ion Ratio Lower Upper

114 100

63 17.6 14.6 21.8

88 14.7 11.8 17.8



#30

2-Butanone

Concen: 168.925 ug/l

RT: 4.568 min Scan# 571

Delta R.T. 0.000 min

Lab File: VX042073.D

Acq: 27 Jun 2024 14:38

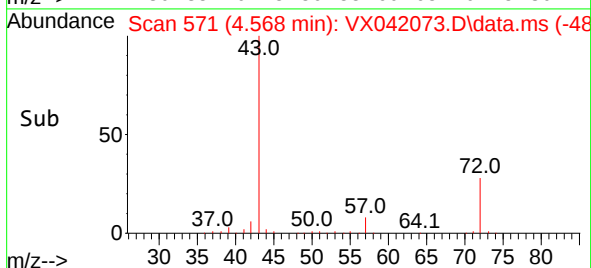
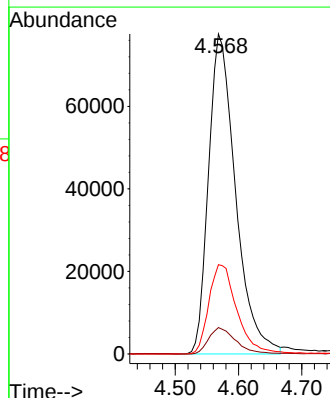
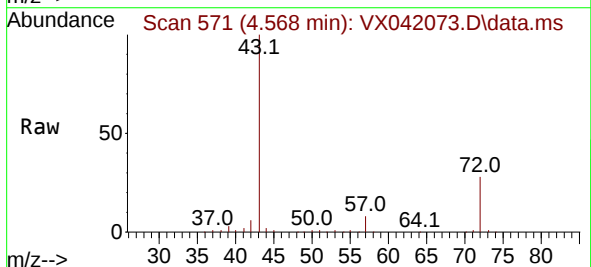
Tgt Ion: 43 Resp: 230177

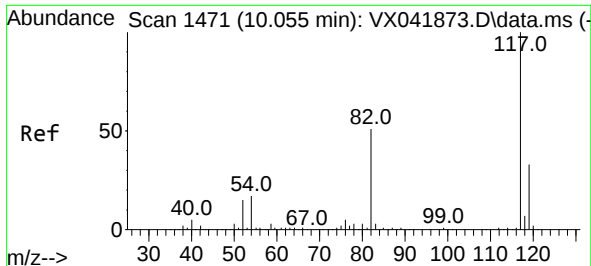
Ion Ratio Lower Upper

43 100

57 8.4 6.5 9.7

72 29.0 22.0 33.0





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX042073.D

Acq: 27 Jun 2024 14:38

Instrument :

MSVOA_X

ClientSampleId :

001-WILLETS-PT-BLVD(JUNE)

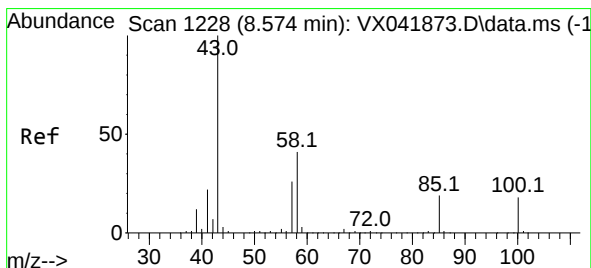
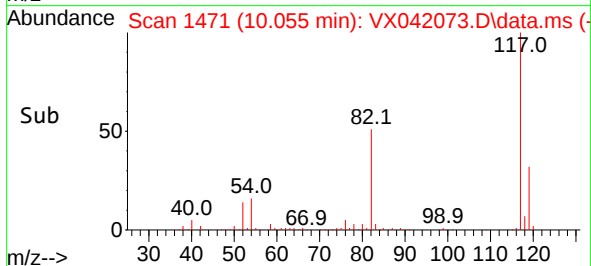
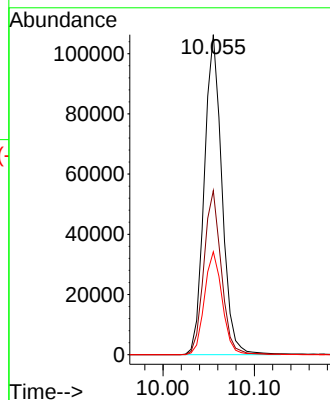
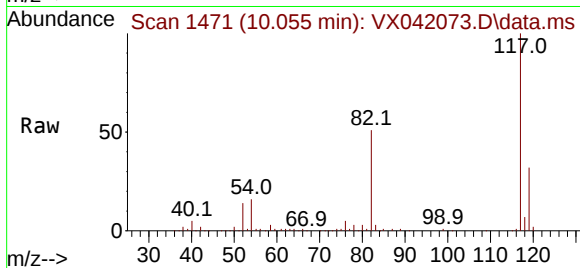
Tgt Ion:117 Resp: 142162

Ion Ratio Lower Upper

117 100

82 50.6 41.1 61.7

119 32.4 26.1 39.1



#58

4-Methyl-2-Pentanone

Concen: 6.622 ug/l

RT: 8.580 min Scan# 1229

Delta R.T. 0.006 min

Lab File: VX042073.D

Acq: 27 Jun 2024 14:38

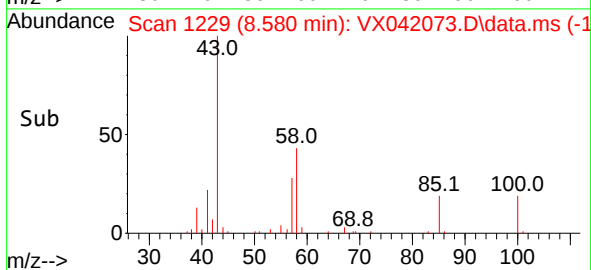
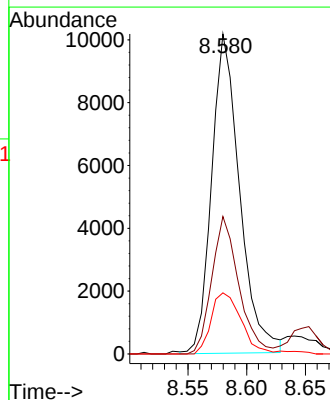
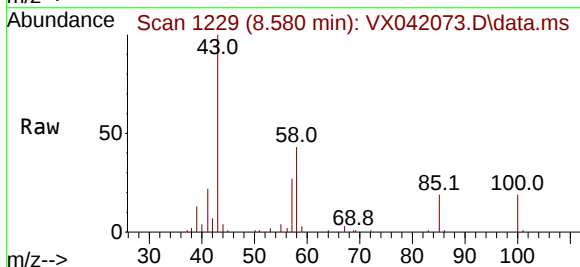
Tgt Ion: 43 Resp: 16870

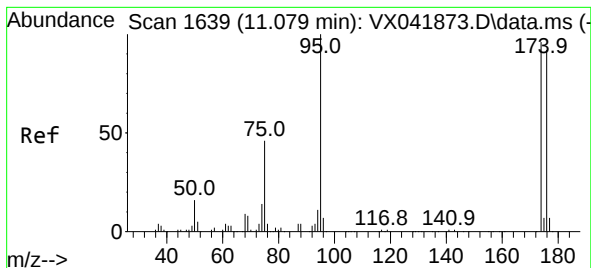
Ion Ratio Lower Upper

43 100

58 41.6 33.2 49.8

85 20.4 15.5 23.3





#60

4-Bromofluorobenzene

Concen: 29.765 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX042073.D

Acq: 27 Jun 2024 14:38

Instrument :

MSVOA_X

ClientSampleId :

001-WILLETS-PT-BLVD(JUNE)

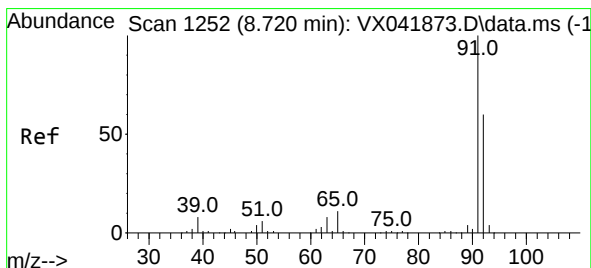
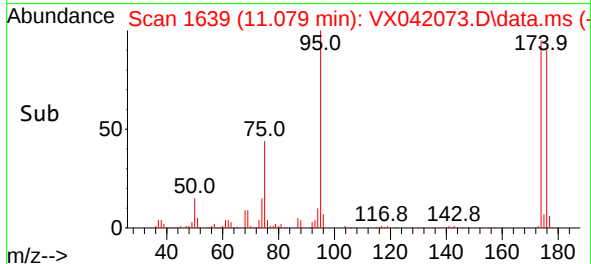
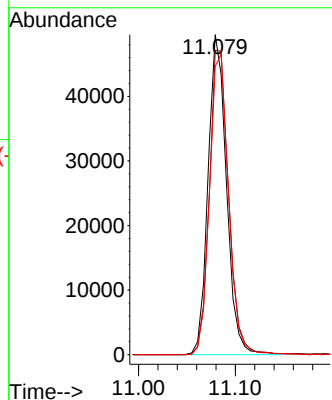
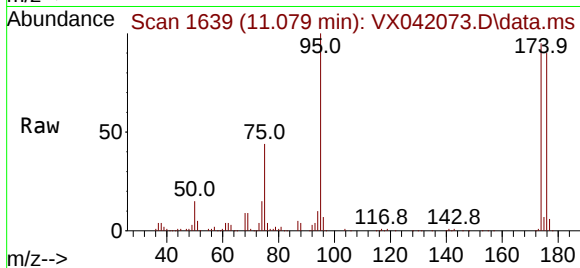
Tgt Ion: 95 Resp: 65499

Ion Ratio Lower Upper

95 100

174 99.5 78.9 118.3

176 97.2 77.1 115.7



#62

Toluene

Concen: 312.824 ug/l

RT: 8.720 min Scan# 1252

Delta R.T. 0.000 min

Lab File: VX042073.D

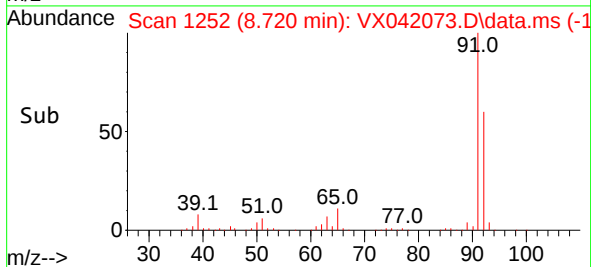
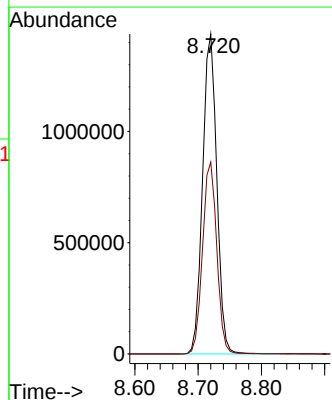
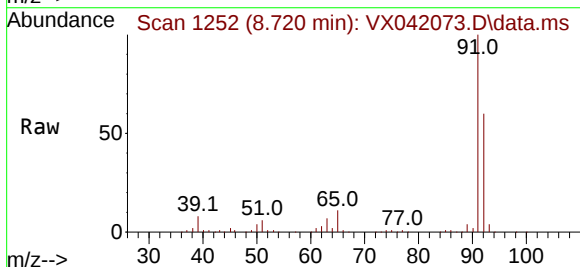
Acq: 27 Jun 2024 14:38

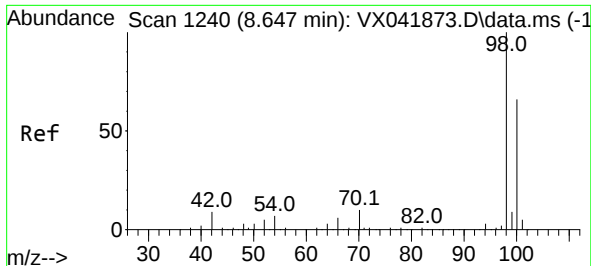
Tgt Ion: 91 Resp: 2250422

Ion Ratio Lower Upper

91 100

92 60.2 47.4 71.2

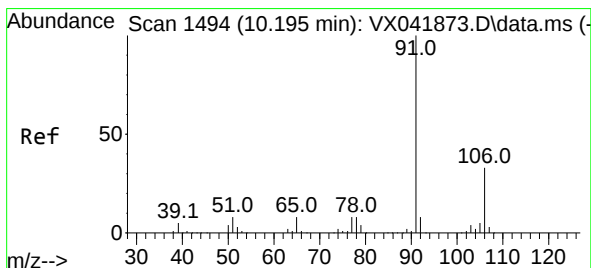
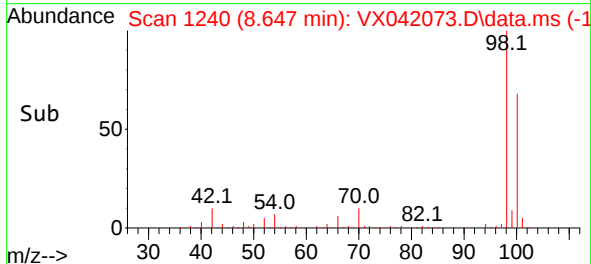
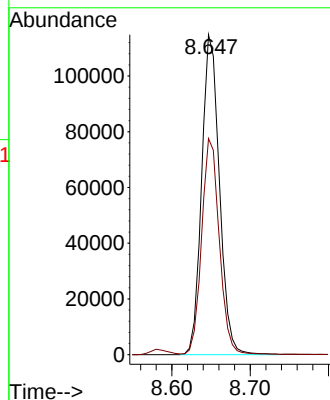
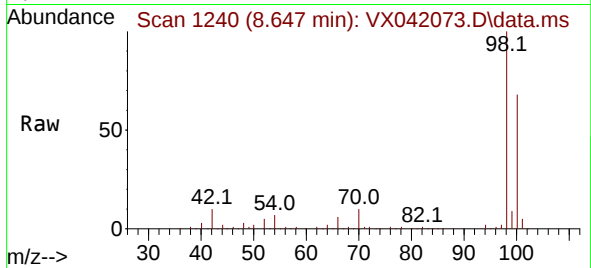




#63
Toluene-d8
Concen: 29.700 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX042073.D
Acq: 27 Jun 2024 14:38

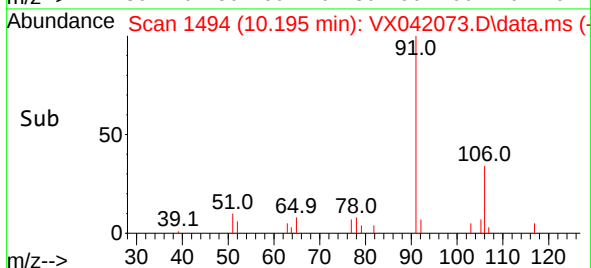
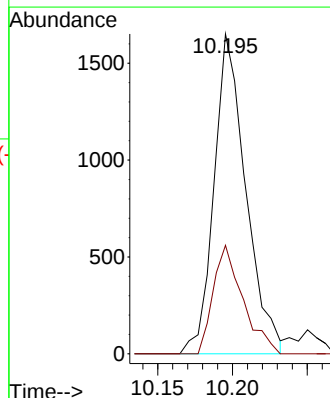
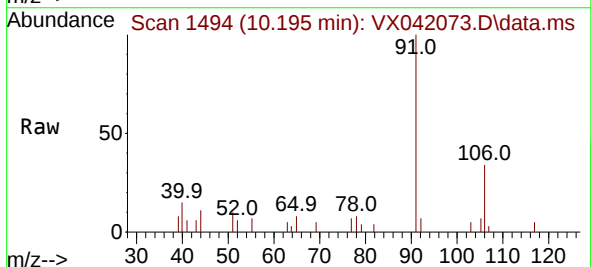
Instrument :
MSVOA_X
ClientSampleId :
001-WILLETS-PT-BLVD(JUNE)

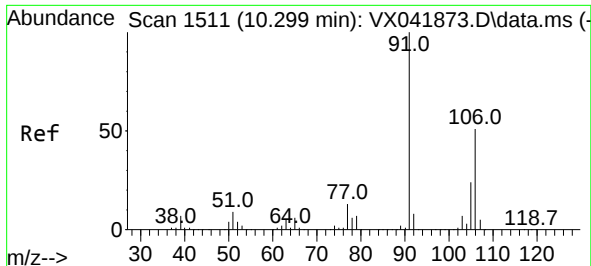
Tgt Ion: 98 Resp: 180644
Ion Ratio Lower Upper
98 100
100 67.4 52.7 79.1



#66
Ethyl Benzene
Concen: 0.310 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX042073.D
Acq: 27 Jun 2024 14:38

Tgt Ion: 91 Resp: 2440
Ion Ratio Lower Upper
91 100
106 33.9 26.4 39.6

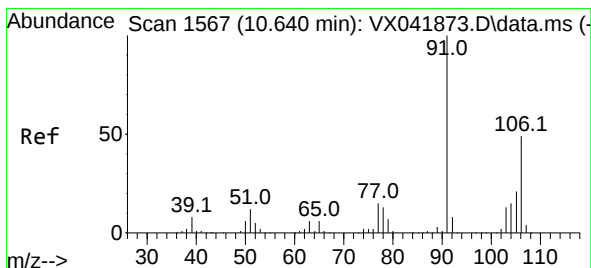
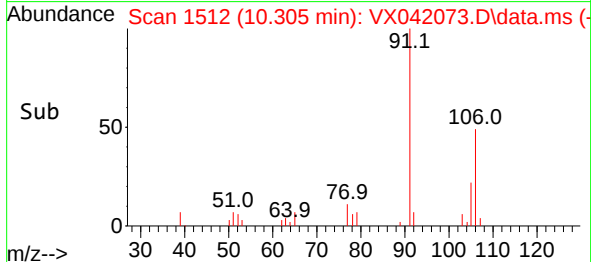
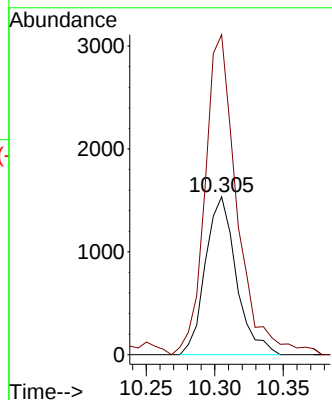
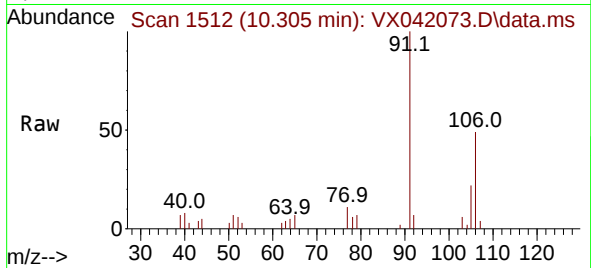




#67
m/p-Xylenes
Concen: 0.761 ug/l
RT: 10.305 min Scan# 1511
Delta R.T. 0.006 min
Lab File: VX042073.D
Acq: 27 Jun 2024 14:38

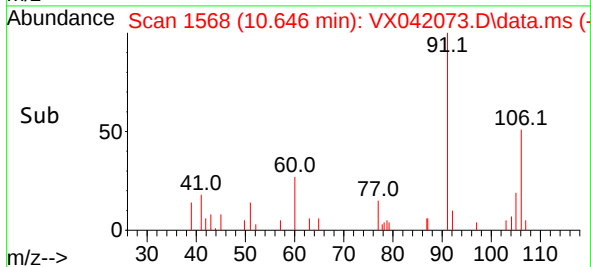
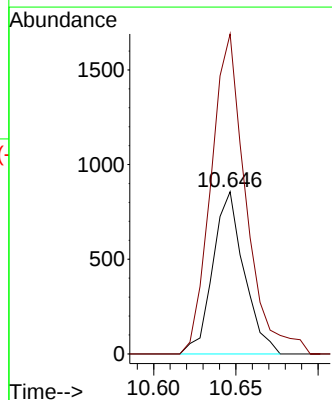
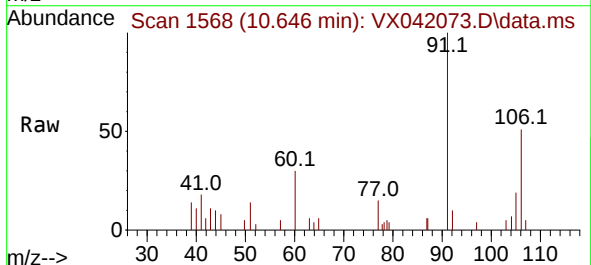
Instrument :
MSVOA_X
ClientSampleId :
001-WILLETS-PT-BLVD(JUNE)

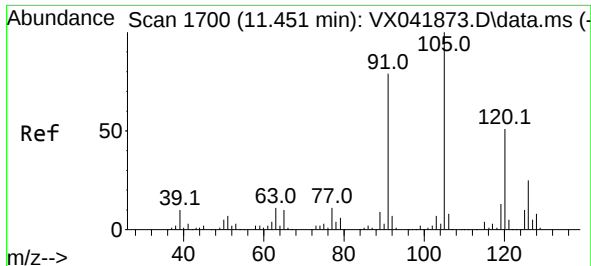
Tgt Ion:106 Resp: 2407
Ion Ratio Lower Upper
106 100
91 208.3 157.0 235.6



#68
o-Xylene
Concen: 0.360 ug/l
RT: 10.646 min Scan# 1568
Delta R.T. 0.006 min
Lab File: VX042073.D
Acq: 27 Jun 2024 14:38

Tgt Ion:106 Resp: 1135
Ion Ratio Lower Upper
106 100
91 219.6 103.2 309.6

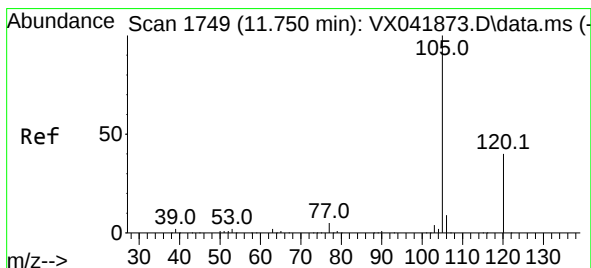
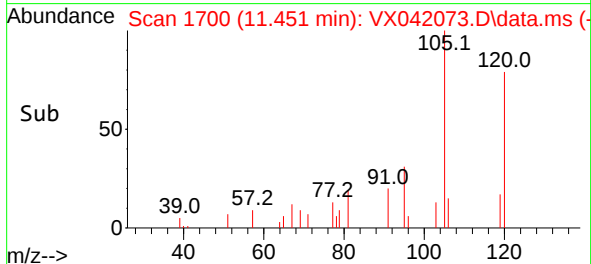
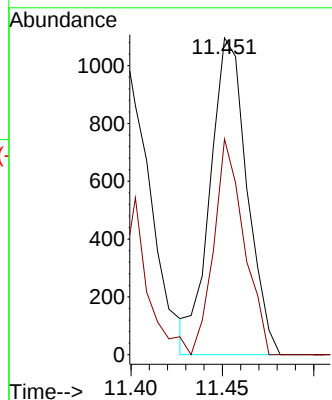
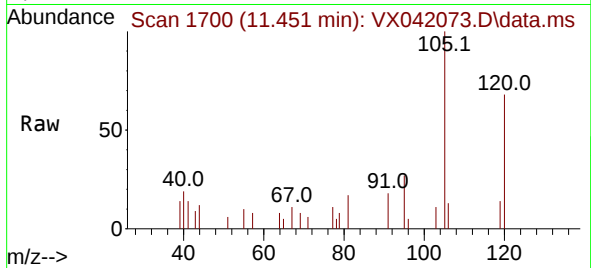




#76
1,3,5-Trimethylbenzene
Concen: 0.232 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX042073.D
Acq: 27 Jun 2024 14:38

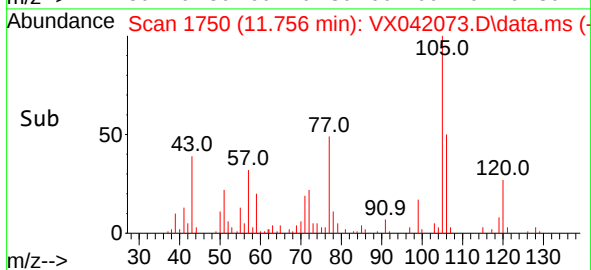
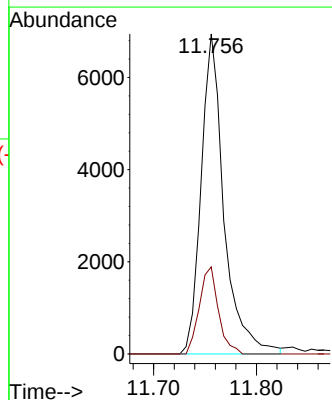
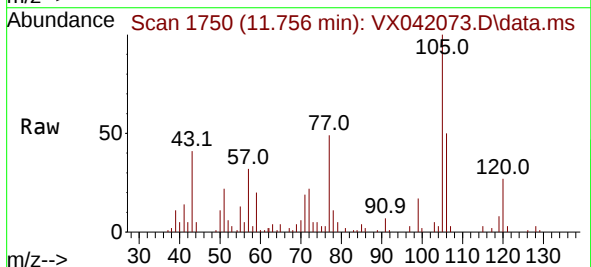
Instrument :
MSVOA_X
ClientSampleId :
001-WILLETS-PT-BLVD(JUNE)

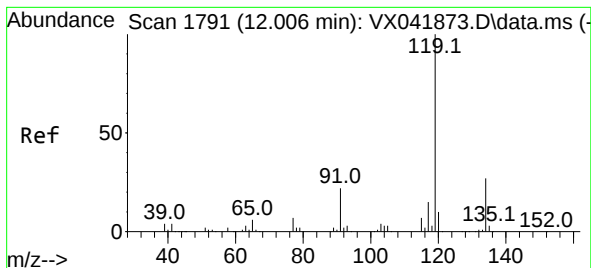
Tgt Ion:105 Resp: 1542
Ion Ratio Lower Upper
105 100
120 55.5 0.0 103.0



#80
1,2,4-Trimethylbenzene
Concen: 1.615 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VX042073.D
Acq: 27 Jun 2024 14:38

Tgt Ion:105 Resp: 10719
Ion Ratio Lower Upper
105 100
120 22.7 0.0 96.2





#82

p-Isopropyltoluene

Concen: 4.193 ug/l

RT: 12.012 min Scan# 1792

Delta R.T. 0.006 min

Lab File: VX042073.D

Acq: 27 Jun 2024 14:38

Instrument :

MSVOA_X

ClientSampleId :

001-WILLETS-PT-BLVD(JUNE)

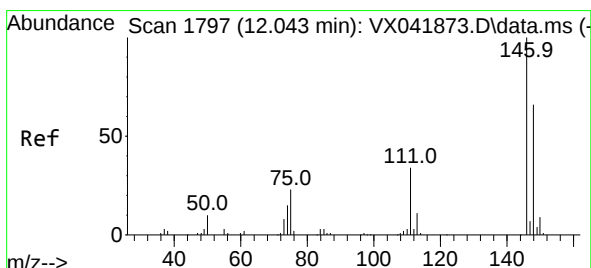
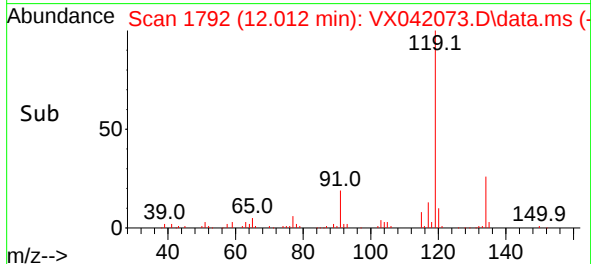
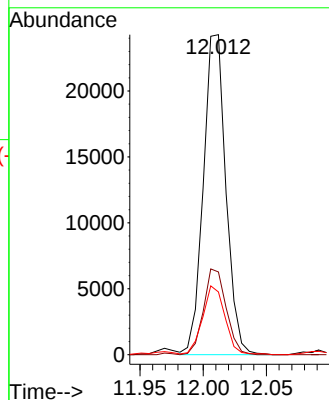
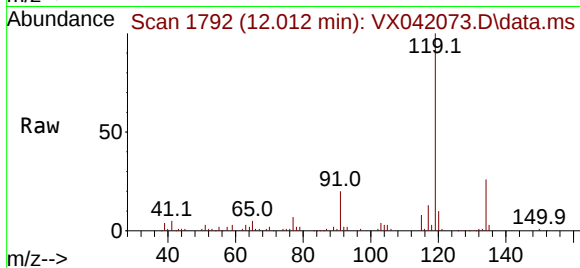
Tgt Ion:119 Resp: 30225

Ion Ratio Lower Upper

119 100

134 26.8 0.0 54.0

91 21.2 0.0 42.2



#84

1,4-Dichlorobenzene

Concen: 0.474 ug/l

RT: 12.043 min Scan# 1797

Delta R.T. 0.000 min

Lab File: VX042073.D

Acq: 27 Jun 2024 14:38

Tgt Ion:146 Resp: 1948

Ion Ratio Lower Upper

146 100

111 40.7 17.4 52.3

148 64.3 32.3 96.9

